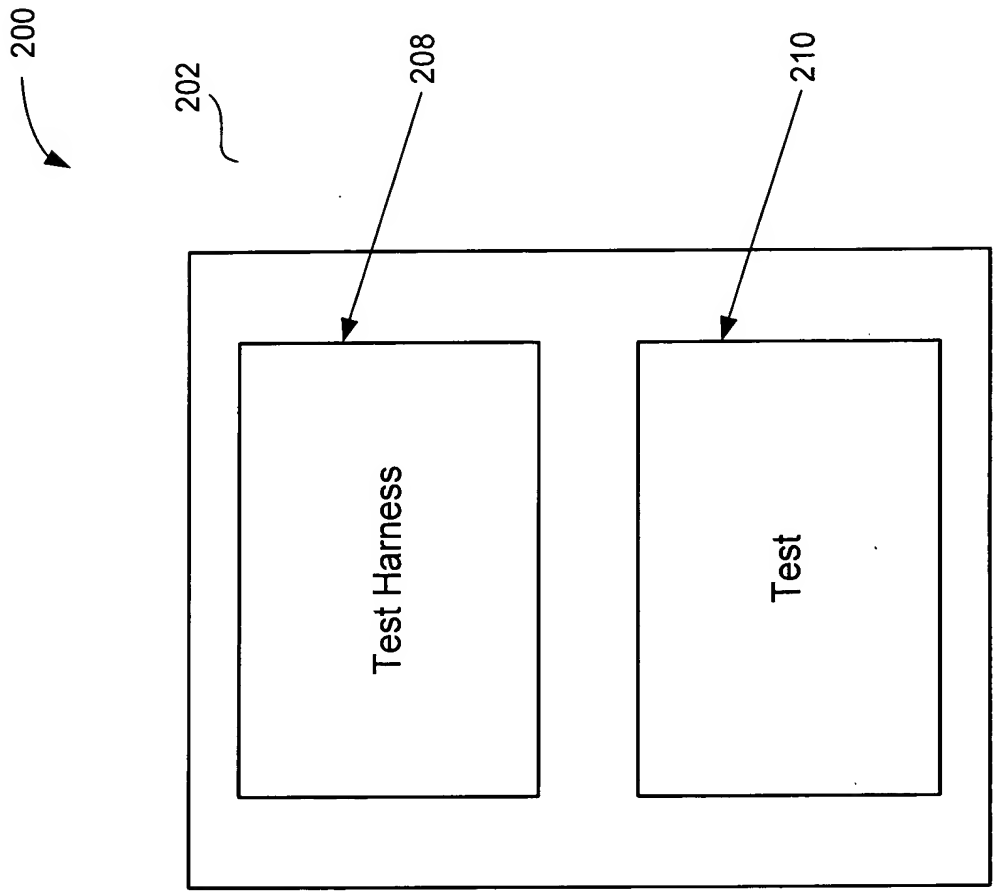

FIG. 1

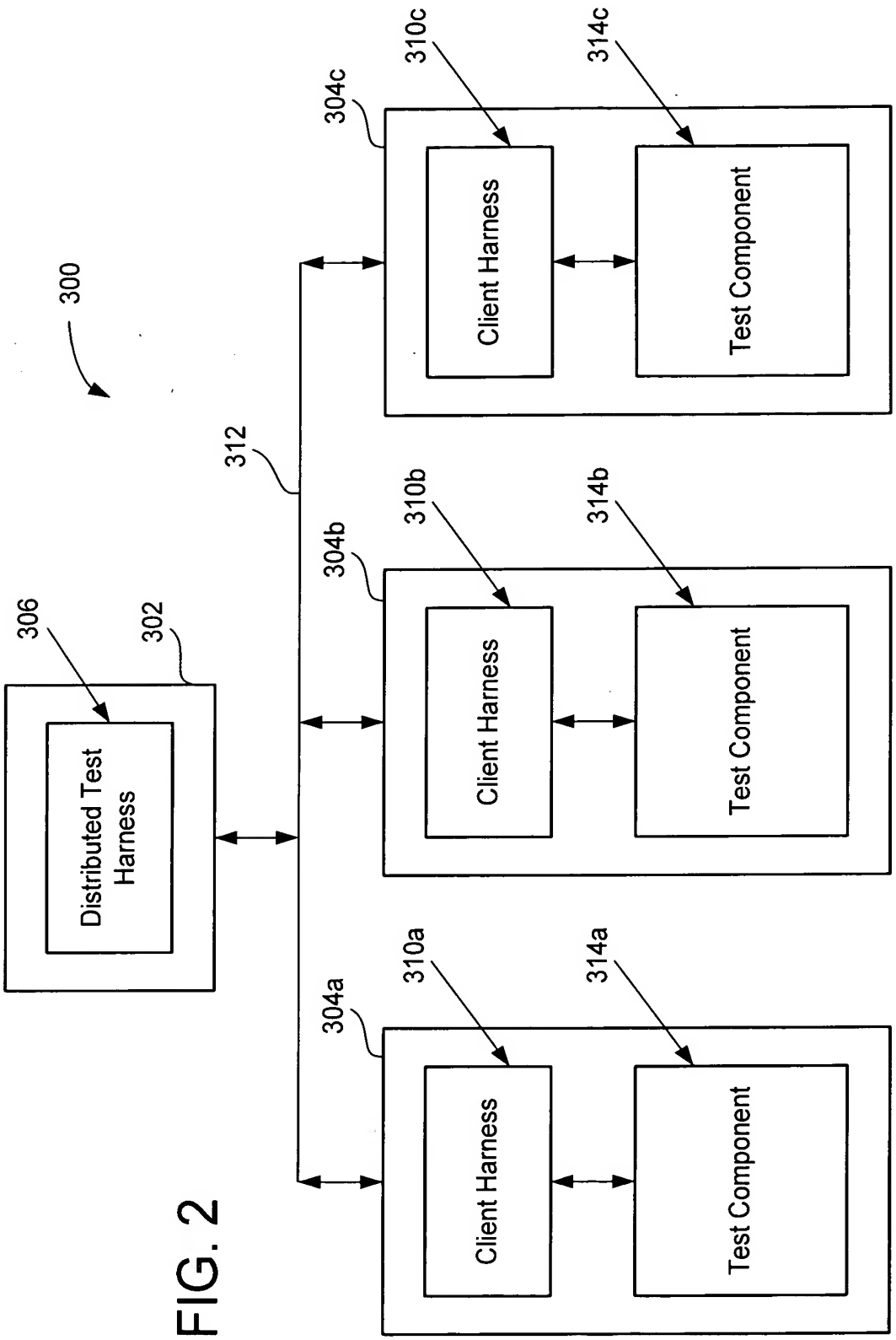
300
312
306
302
Distributed Test Harness
304a
310a
314a
Client Harness
Test Component
304b
310b
314b
Client Harness
Test Component
304c
310c
314c
Client Harness
Test Component

FIG. 2

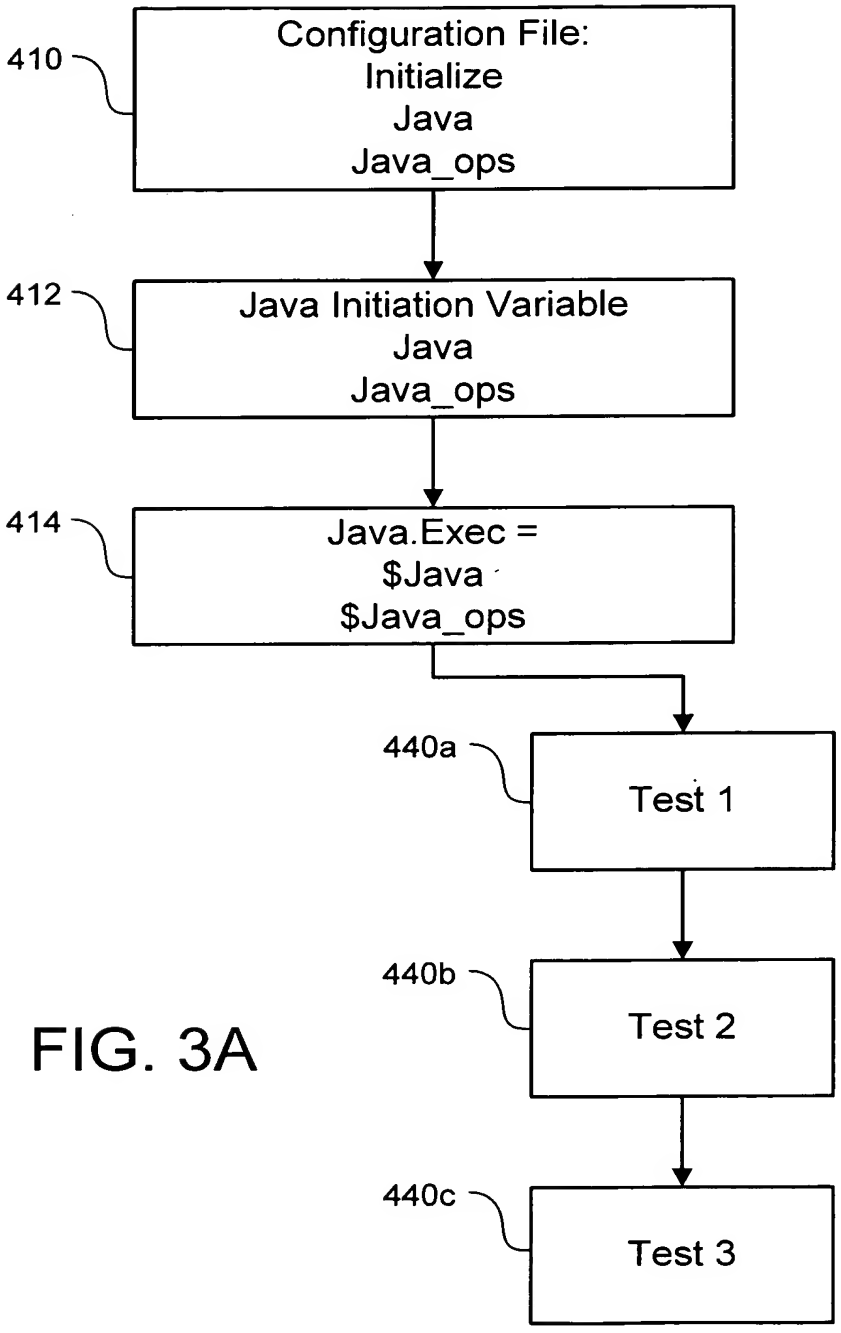
410
Configuration File:
Initialize
Java
Java_ops
412
Java Initiation Variable
Java
Java_ops
414
Java.Exec =
$Java
$Java_ops
440a
Test 1
440b
Test 2
440c
Test 3

FIG. 3A

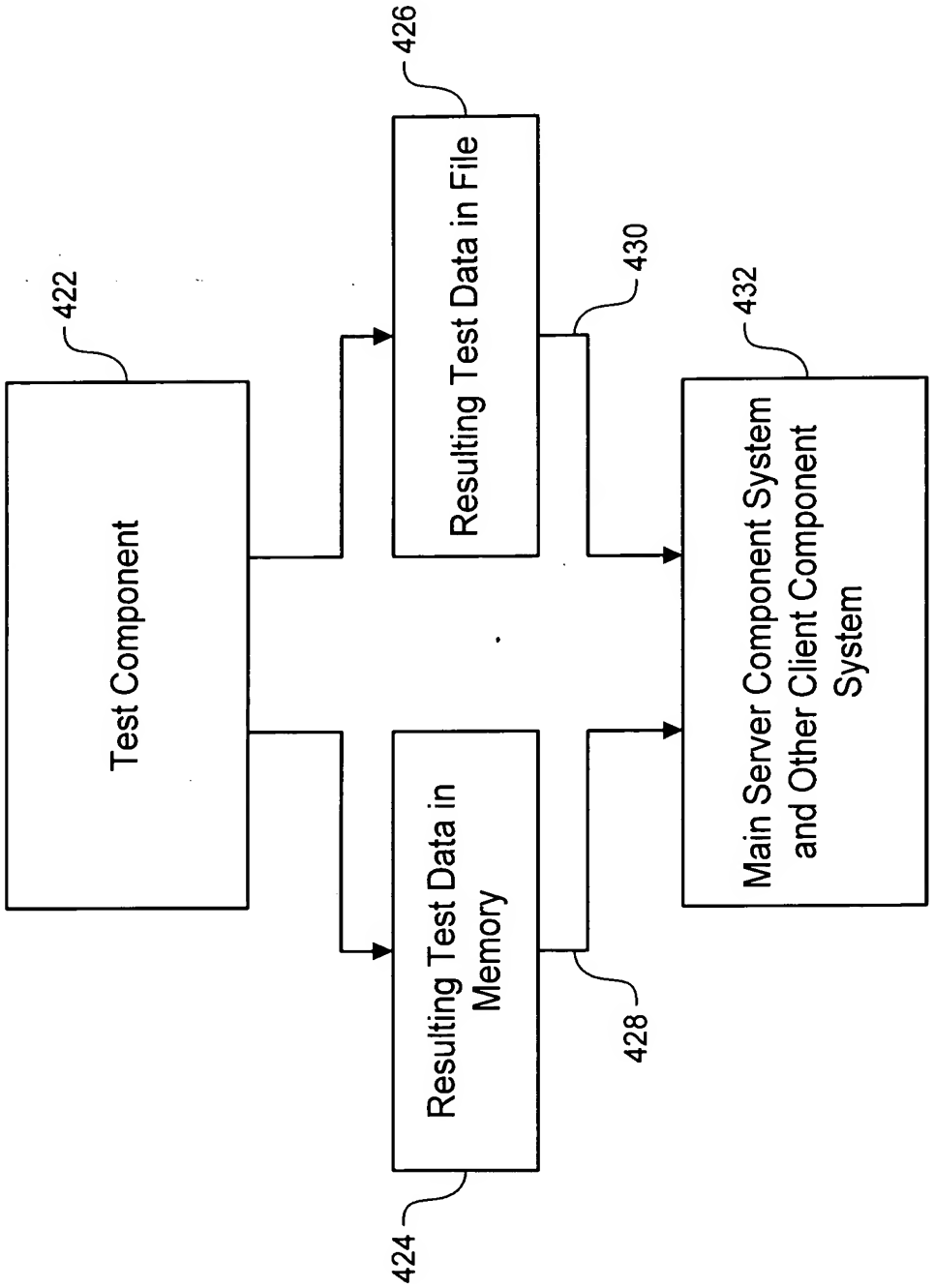
422
Test Component
426
Resulting Test Data in File
430
432
Main Server Component System and Other Client Component System
424
Resulting Test Data in Memory
428

FIG. 3B

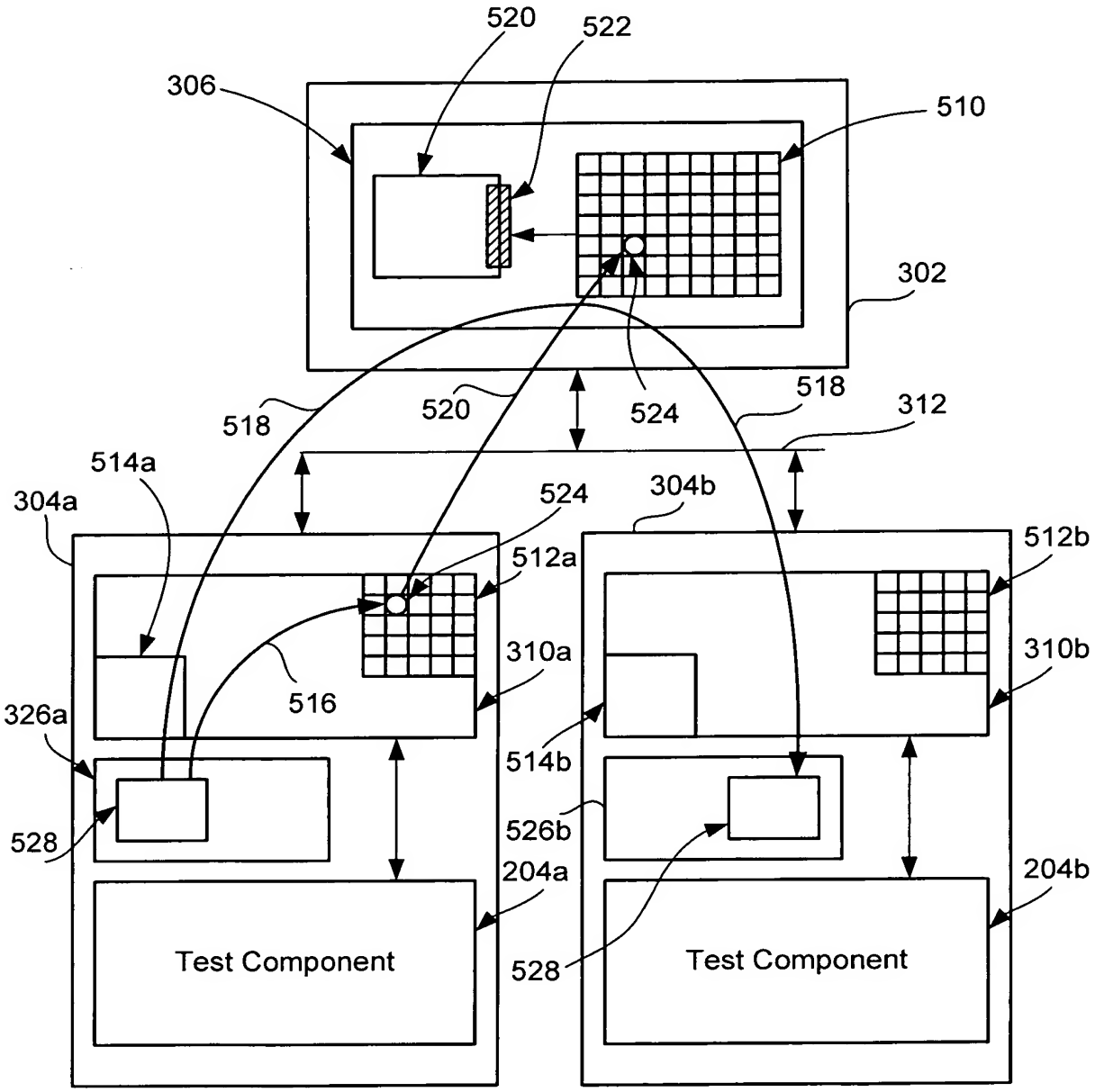
520
522
306
510
302
518
520
524
518
312
514a
304a
524
304b
512a
512b
310a
310b
516
326a
514b
528
526b
204a
204b
Test Component
528
Test Component

FIG. 4

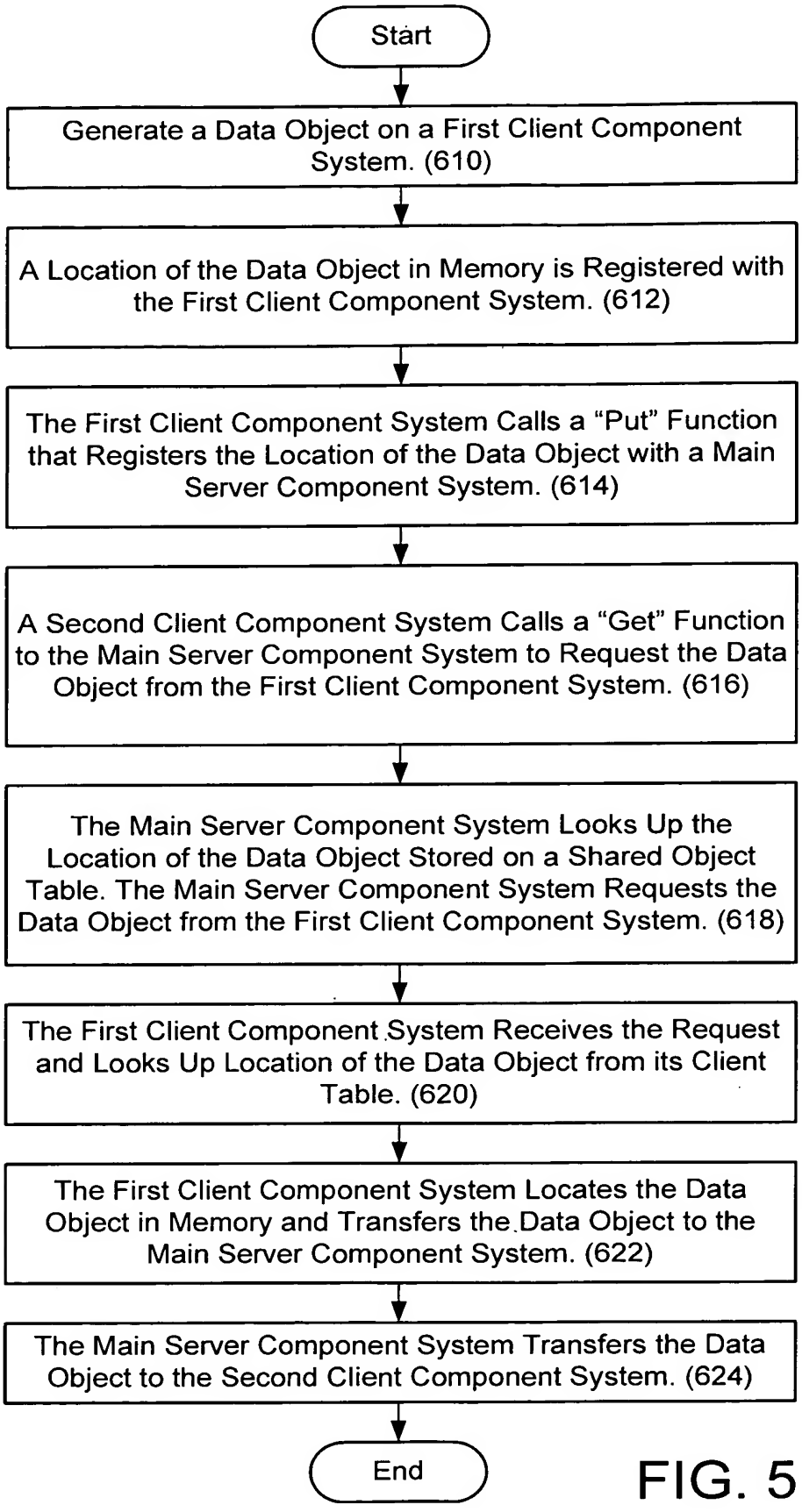
Start
Generate a Data Object on a First Client Component System. (610)
A Location of the Data Object in Memory is Registered with the First Client Component System. (612)
The First Client Component System Calls a "Put" Function that Registers the Location of the Data Object with a Main Server Component System. (614)
A Second Client Component System Calls a "Get" Function to the Main Server Component System to Request the Data Object from the First Client Component System. (616)
The Main Server Component System Looks Up the Location of the Data Object Stored on a Shared Object Table. The Main Server Component System Requests the Data Object from the First Client Component System. (618)
The First Client Component System Receives the Request and Looks Up Location of the Data Object from its Client Table. (620)
The First Client Component System Locates the Data Object in Memory and Transfers the Data Object to the Main Server Component System. (622)
The Main Server Component System Transfers the Data Object to the Second Client Component System. (624)
End

FIG. 5

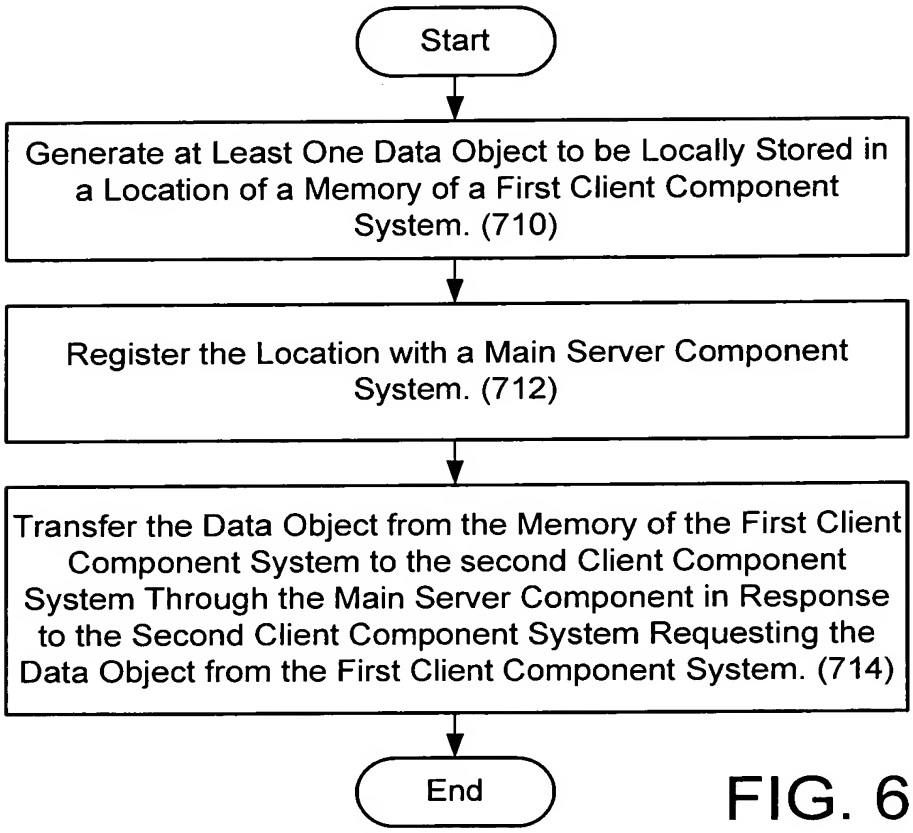
Start
Generate at Least One Data Object to be Locally Stored in a Location of a Memory of a First Client Component System. (710)
Register the Location with a Main Server Component System. (712)
Transfer the Data Object from the Memory of the First Client Component System to the second Client Component System Through the Main Server Component in Response to the Second Client Component System Requesting the Data Object from the First Client Component System. (714)
End

FIG. 6